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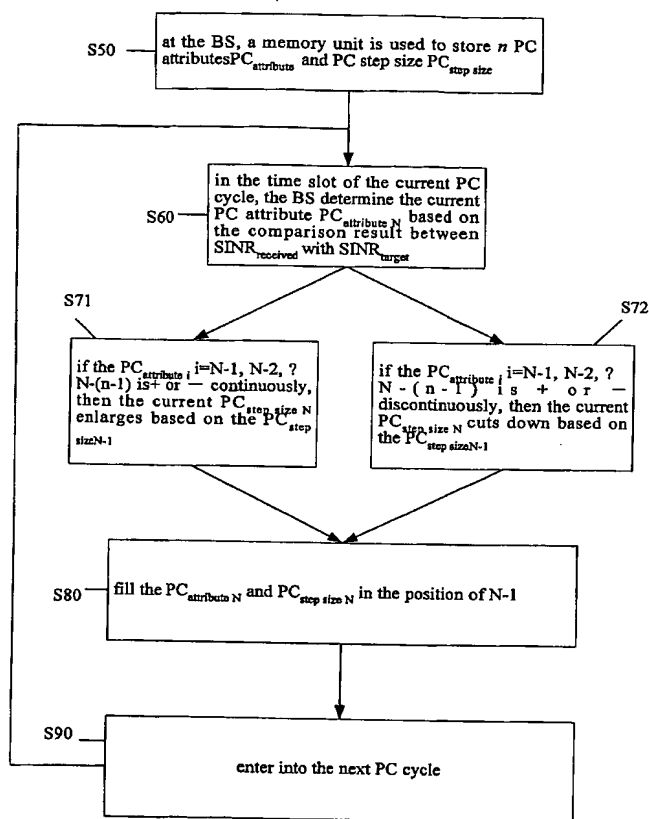
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(54) Title: AN ADAPTIVE STEP SIZE METHOD FOR POWER CONTROL IN WIRELESS COMMUNICATION SYSTEM AND A SYSTEM FOR THE SAME



(57) **Abstract:** The present invention relates to an adaptive step size method for power control in wireless communication systems and a system for the same. The method includes the steps: obtaining the power control information whose number is previously set in previous power control cycle and that in current power control cycle; Determining the power control step size in current power control cycle according to the obtained power control information whose number is previously set in previous power control cycle and that in current power control cycle. Employing the method to determine a suitable step size in current PC cycle, we can overcome the defect that the change of the PC step size in current wireless communication system is a fixed value, thereby make the power change more smooth, and ensure that wireless communication holds better communication quality.

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